

**AMENDMENT TO THE CLAIMS**

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Cancelled)
11. (Cancelled)
12. (Currently Amended) A method of processing position information in a mobile device, comprising:
  - receiving a request for a position to be computed within a predefined period of time;
  - computing a best position and a corresponding indicia of accuracy within said predefined period of time;
  - comparing said indicia of accuracy to a threshold; and
  - retaining said best position in a cache in response to said indicia of accuracy satisfying said threshold;
  - searching said cache for a previously retained position having a best accuracy in response to said indicia of accuracy failing said threshold; and

sending an indication of no accurate position to said server in response to no previously retained position being stored in said cache.

13. (Previously Submitted) The method of claim 12, further comprising:

sending said best position to a server in communication with said mobile device.

14. (Previously presented) The method of claim 12, further comprising:

identifying a previously retained position in said cache having a best accuracy in response to said indicia of accuracy failing said threshold;

sending said previously retained position to a server in communication with said mobile device.

15. (Cancelled)

16. (Currently amended) ~~The method of claim 12, further comprising:~~ A method of processing position information in a mobile device, comprising:

receiving a request for a position to be computed within a predefined period of time;

computing a best position and a corresponding indicia of accuracy within said predefined period of time;

comparing said indicia of accuracy to a threshold;

retaining said best position in a cache in response to said indicia of accuracy satisfying said threshold;

identifying a previously retained position in said cache having a best accuracy in response to said indicia of accuracy failing said threshold;

comparing said best accuracy of said previously retained position to a second threshold; and

sending said previously retained position to a server in communication with said mobile device in response to said best accuracy satisfying said second threshold.

17. (Previously presented) The method of claim 16, further comprising:

searching said cache for another previously retained position having a second best accuracy in response to said best accuracy failing said threshold.

18. (Currently amended) The method of claim 12, wherein said ~~computing step~~ computing a best position and a corresponding indicia of accuracy comprises:
- calculating a plurality of positions within said predefined period of time;
  - caching at least one of said plurality of positions;
  - deriving an indicia of accuracy with respect to at least one of said plurality of positions; and
  - identifying said best position and said corresponding indicia of accuracy.
19. (Previously presented) The method of claim 18, wherein said best position is identified before expiration of said predefined period of time.
20. (Previously presented) The method of claim 18, wherein said best position is a last calculated position of said plurality of positions with respect to expiration of said predefined period of time.
21. (Previously presented) The method of claim 12, wherein said request is received from a server in communication with said mobile device.
22. (Previously presented) The method of claim 12, wherein said request is generated by said mobile device.
23. (Cancelled)
24. (Cancelled)
25. (Cancelled)
26. (Cancelled)
27. (New) The method of claim 12, wherein said indicia of accuracy is derived from at least one of a covariance matrix of a Kalman filter, pseudorange residual data, and dilution of precision data.
28. (New) The method of claim 12, further comprising: sending said best position and said indicia of accuracy to a server in communication with said mobile device.

- 29.(New) The method of claim 16, wherein said indicia of accuracy is derived from at least one of a covariance matrix of a Kalman filter, pseudorange residual data, and dilution of precision data.
- 30.(New) The method of claim 16, further comprising: sending said best position and said indicia of accuracy to a server in communication with said mobile device.
- 31.(New) The method of claim 16, wherein said best position is identified before expiration of said predefined period of time.
- 32.(New) The method of claim 16, wherein computing a best position and a corresponding indicia of accuracy comprises:
- calculating a plurality of positions within said predefined period of time;
  - caching at least one of said plurality of positions in a position cache;
  - deriving accuracy data with respect to at least one of said plurality of positions;
  - and
  - identifying a best position stored in said position cache in response to said accuracy data.
- 33.(New) The method of claim 32, wherein said best position is a last calculated position of said plurality of positions with respect to expiration of said predefined period of time.
- 34.(New) The method of claim 32, further comprising: storing at least a portion of said accuracy data in said position cache.
- 35.(New) The method of claim 32, wherein deriving an indicia of accuracy comprises:
- computing said indicia of accuracy for the at least one of said plurality of positions stored in said position cache; and
  - storing each said indicia of accuracy in said position cache.
- 36.(New) The method of claim 16, further comprising: sending said best position to a server in communication with said mobile device.

37. (New) The method of claim 16, wherein said request is received from a server in communication with said mobile device.

38. (New) The method of claim 16, wherein said request is generated by said mobile device.